

This is based upon the mathematical proofs “From 1 + 1 = 2 Up To 9 + 1 = 1,” which is uploaded in www.archive.org

Again, 0 = nothing = not counted = removed from the expression.

So, let's begin.

2 + 2 = 4:

2 + 2 = 22+ = 1+11+1+ = 1111+++ = 413+,

3 + 1 = 4;

therefore, 2 + 2 = 3 + 1 = 4.

4 + 2 = 6:

4 + 2 = 24+ = 1+12+2+ = 1+11+1+1+1+ = 111111+++++ = 615+,

5 + 1 = 6;

therefore, 4 + 2 = 5 + 1 = 6.

6 + 2 = 8:

6 + 2 = 26+ = 1+14+2+ = 1+12+2+1+1+ = 1+11+1+1+1+1+ = 11111111++++++ = 817+,

7 + 1 = 8;

therefore, 6 + 2 = 7 + 1 = 8.

8 + 2 = 1:

8 + 2 = 28+ = 1+16+2+ = 1+14+2+1+1+ = 1+12+2+1+1+1+ = 1+11+1+1+1+1+1+1+ = 1111111111++++++ = 1019+ = 119+,

9 + 1 = 1;

therefore, 8 + 2 = 9 + 1 = 1.

1 + 2 = 3:

1 + 2 = 12+ = 11+1+ = 111++ = 312+,

1 + 2 = 3;

therefore, 2 + 1 = 1 + 2 = 3.

3 + 2 = 5:

3 + 2 = 23+ = 1+11+2+ = 1+11+1+1+ = 11111+++ = 514+,

4 + 1 = 5;

therefore, 3 + 2 = 4 + 1 = 5.

5 + 2 = 7:

5 + 2 = 25+ = 1+13+2+ = 1+11+2+1+1+ = 1+11+1+1+1+1+ = 11111111+++++ = 716+,

6 + 1 = 7;

therefore, 5 + 2 = 6 + 1 = 7.

7 + 2 = 9:

7 + 2 = 27+ = 1+15+2+ = 1+13+2+1+1+ = 1+11+2+1+1+1+ = 1+11+1+1+1+1+1+ = 1111111111+++++ = 918+,

8 + 1 = 9;

therefore, 7 + 2 = 8 + 1 = 9.

$9 + 2 = 2$:

$9 + 2 = 29 + 1 + 19 + 1 = 9 + 1 + 1 = 1 + 1 = 2$;

therefore, $9 + 2 = 1 + 1 = 2$.